

Title (en)

METHOD AND SYSTEM FOR ROBUST DIGITAL SUBSCRIBER LOOP COMMUNICATION

Title (de)

VERFAHREN UND SYSTEM FÜR ROBUSTE DIGITALE TEILNEHMERSCHLEIFENKOMMUNIKATION

Title (fr)

PROCÉDÉ ET SYSTÈME POUR UNE COMMUNICATION DE LIGNE D'ABONNÉ NUMÉRIQUE ROBUSTE

Publication

**EP 2338235 A4 20161214 (EN)**

Application

**EP 09808787 A 20090819**

Priority

- US 2009054346 W 20090819
- US 9009508 P 20080819

Abstract (en)

[origin: WO2010022174A1] A DSL communication system and a method for configuring a DSL communication system. The method includes training at least one anchor DSL modem transmitter to transmit information over at least one anchor line at an anchor bit rate that is determined based on an allowable tolerable noise level and a minimum allowable signal-to-noise ratio (SNR) margin; training one or more other DSL modem transmitter to transmit information over one or more other line at a bit rate that is determined by a current noise level and a target SNR margin, wherein the target SNR margin is higher than the minimum allowable SNR margin; and transmitting information by at least one trained DSL modem transmitter to at least one DSL modem receiver.

IPC 8 full level

**H04B 3/32** (2006.01); **H04M 3/34** (2006.01); **H04M 11/06** (2006.01)

CPC (source: EP US)

**H04B 3/32** (2013.01 - EP US); **H04M 3/34** (2013.01 - EP US); **H04M 11/062** (2013.01 - EP US)

Citation (search report)

- [Y] US 2007280126 A1 20071206 - LIU BO [CA], et al
- [A] FR 2876518 A1 20060414 - FRANCE TELECOM [FR]
- [Y] KOURTIS S: "Optimum bit allocation algorithm for DMT-based systems under minimum transmitted power constraint", ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 35, no. 25, 9 December 1999 (1999-12-09), pages 2181 - 2182, XP006013074, ISSN: 0013-5194, DOI: 10.1049/EL:19991501
- See references of WO 2010022174A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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